

16085 U.S. PTO
100605

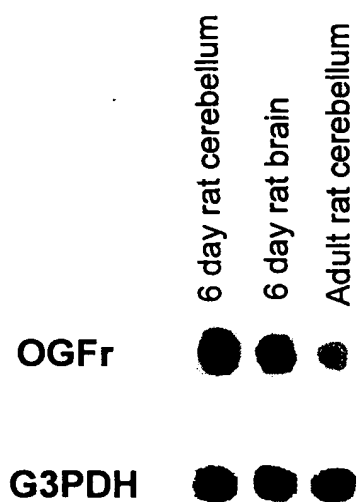


Figure 1

Figure 8B

[illegible]

[illegible]

Figure 8B

Replacement Sheet

Figure 8A

A

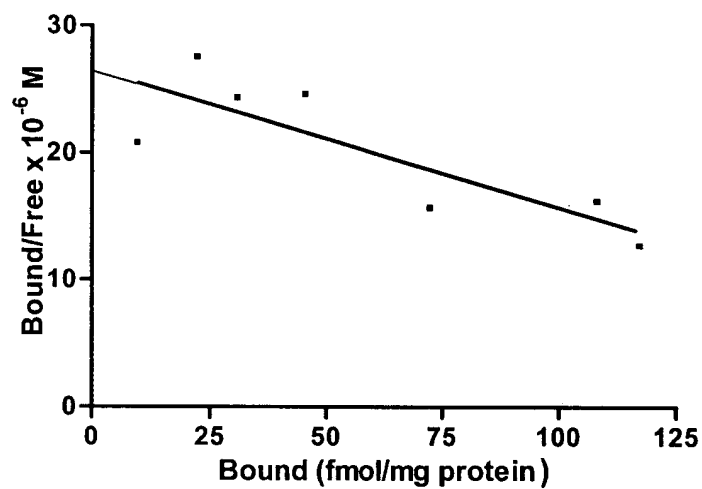


Figure 7B

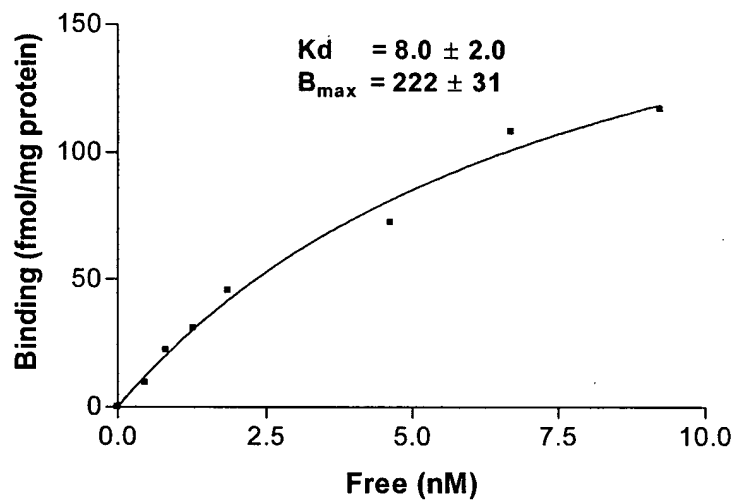


Figure 7A

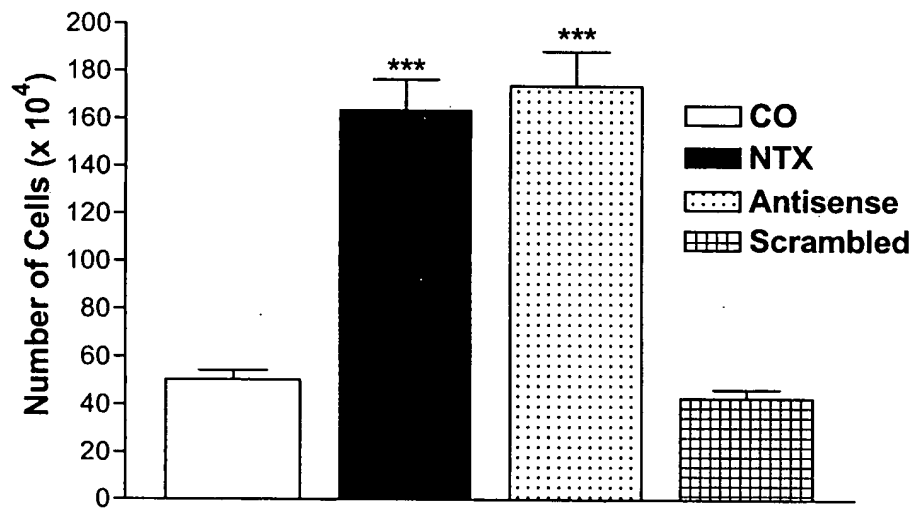


Figure 6

Figure 5A



Figure 5B



Figure 5C



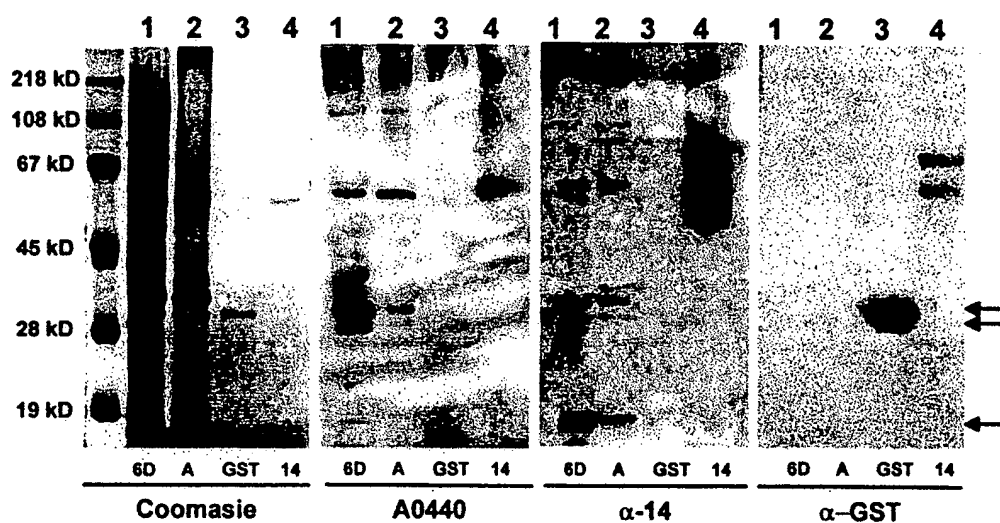


Figure 4A **Figure 4B** **Figure 4C** **Figure 4D**

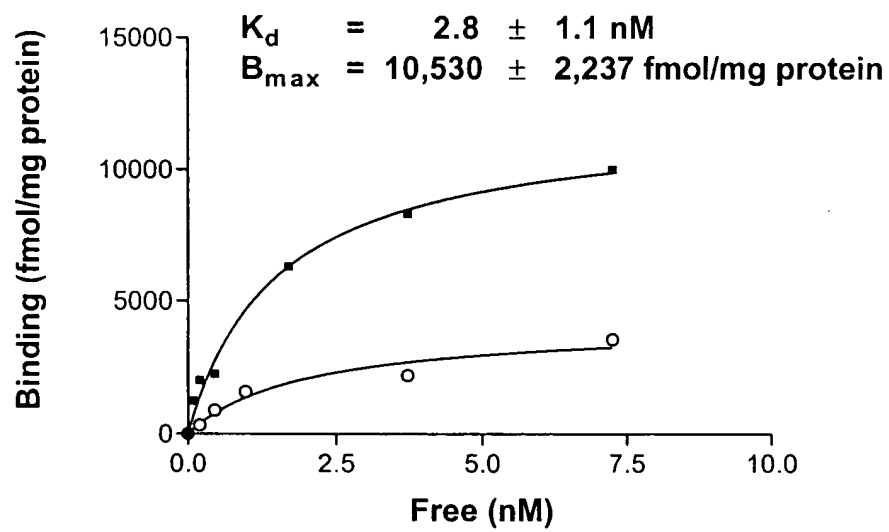


Figure 3

A _____ A

1111 -GAGGGAAACAGCAGCAGGTCCAGGGGAGGCAGATCCCCAGGGTGCTCTGTAGGTAGAGAAAATTGCCCTTAACCTTGAGGAGTGT
GluGlyAsnArgGlnGlnValProGlyGluAlaAspProGlnGlyValSerGluValGluLysIleAlaLeuAsnLeuGluGluCys 400

1201 -GCCCTTAGCCCTATCAGCCAGGAGCCAGGAGGCTGAACCGCCCTGTCTGTGGCCAGGTGGCTAATGAGGTAAGAAAGCGGAGGAAG
AlaLeuSerProIleSerGlnGluProArgGluAlaGluProProCysProValAlaArgValAlaAsnGluValArgLysArgArgLys 430

1291 -GTGGAGGAAGGGGTGAGGGGTGATGGAGTAGTCAGTAACACTCAAATGCAGGCCAGTGCCCTGCCTCTACCCCTTCAGAGTGTCTCTGAG
ValGluGluGlyAlaGluGlyAspGlyValValSerAsnThrGlnMetGlnAlaSerAlaLeuProProThrProSerGluCysProGlu 460

1381 -GCCCAAAAGGATGGGAATGGGCCAGAGGACTCAAACAGCCAGGTGGGGCAGAGGATTCCAAAAGCCAGGTGGGGCCGGAGGATCCAAAC
AlaGlnLysAspGlyAsnGlyProGluAspSerAsnSerGlnValGlyAlaGluAspSerLysSerGlnValGlyProGluAspProAsn 490

1471 -AGCCAGGTGGGGCTGGAGGACCCAAACAGCCAGGTGGGGCCAGAGGACCCAAACAGCCAGGTGGGGCCAGAGGACCCAAACAGCCAGGTC
SerGlnValGlyLeuGluAspProAsnSerGlnValGlyProGluAspProAsnSerGlnValGlyProGluAspProAsnSerGlnVal 520

1561 -GGCCAGAGGACCCAAACAGCCAGGTGGGGCCAGAGGACCCAAACAGCCAGGTGGGGCCAGAGCAAGCTGCCCTCTAAGAGCCCTGTG
GlyProGluAspProAsnSerGlnValGlyProGluAspProAsnSerGlnValGlyProGluGlnAlaAlaSerLysSerProVal 550

1651 -GAGGACCCCTGACTCTGACACTATGGGAACCTCAGTGGATGAGTCAGAGGAGTTGGCAAGGATTGAGGCCCTCTGCTGAACCCCAAGCCT
GluAspProAspSerAspThrMetGlyThrSerValAspGluSerGluGluLeuAlaArgIleGluAlaSerAlaGluProProLysPro 580

1741 -TAGAGGTGCATCTCAGTCCCTACTCAGCCCACTGCAGGGGGTTTCTGAGTCCAGAGCTCTGCCGTAGGCTCTTCTTGGTGGCCCAAGTGC
1831 -TGGCCTCTCCCTAGTGGTCACTGAGGTGGCCACAGAGGGACTGAGGCCCTGCCCTCAGGGAAGGCCCAAGGCCCTCAGAACCCCTCCTTAC
1921 -CTCACTGTGTCTCCTCCACTGCCCTCTGAGCCCTGCGTTGTGATCAGACCCCTAAGGGTCTAGAGGGAGGGGCCCTCTTCAATTAGTCTGGT
2011 -GCCAAGTGAGGCCCTTTCTGAATAAACTCTTTAGACTTTGTCAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAAATAAAAAA

B _____ B

Figure 2B

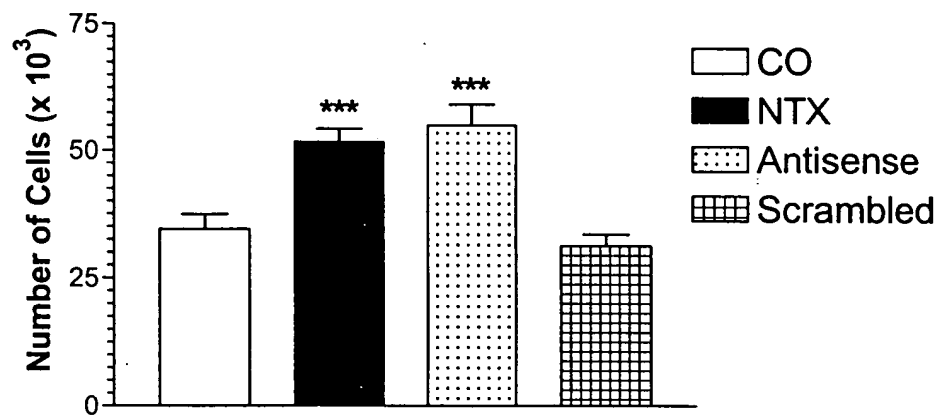


Figure 10

79% Identical/ 87% Similar		39.5% Identical/ 56% Similar		23% Identical/ 47% Similar		20% Identical/ 43% Similar	
1	297	464	629	697			
Amino Acid Number							

Figure 11

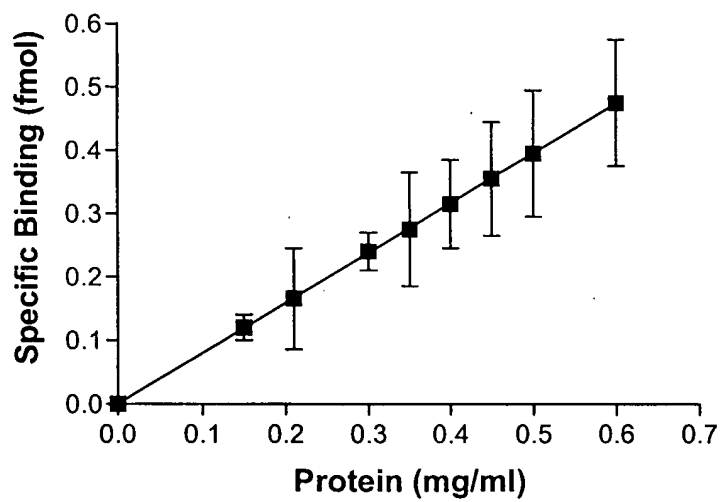


Figure 12

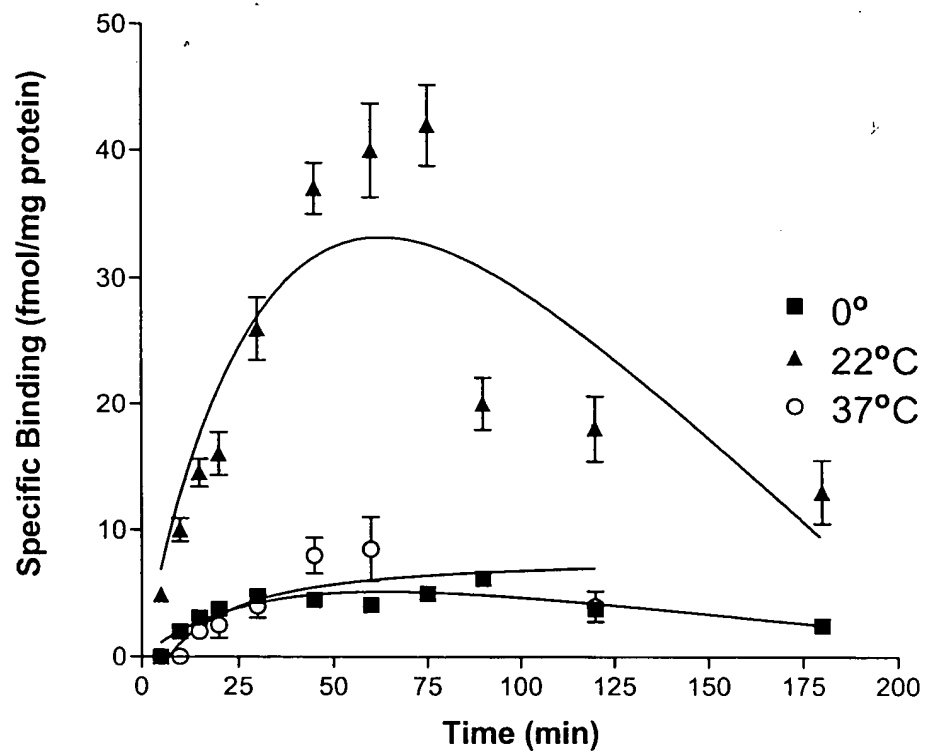


Figure 13

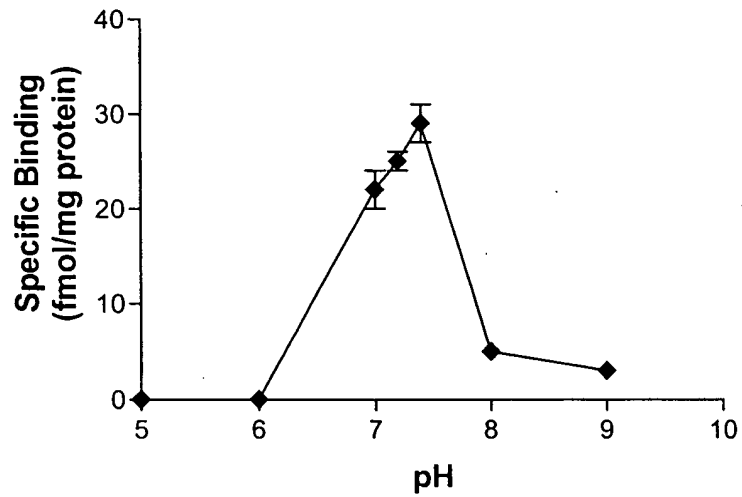


Figure 14

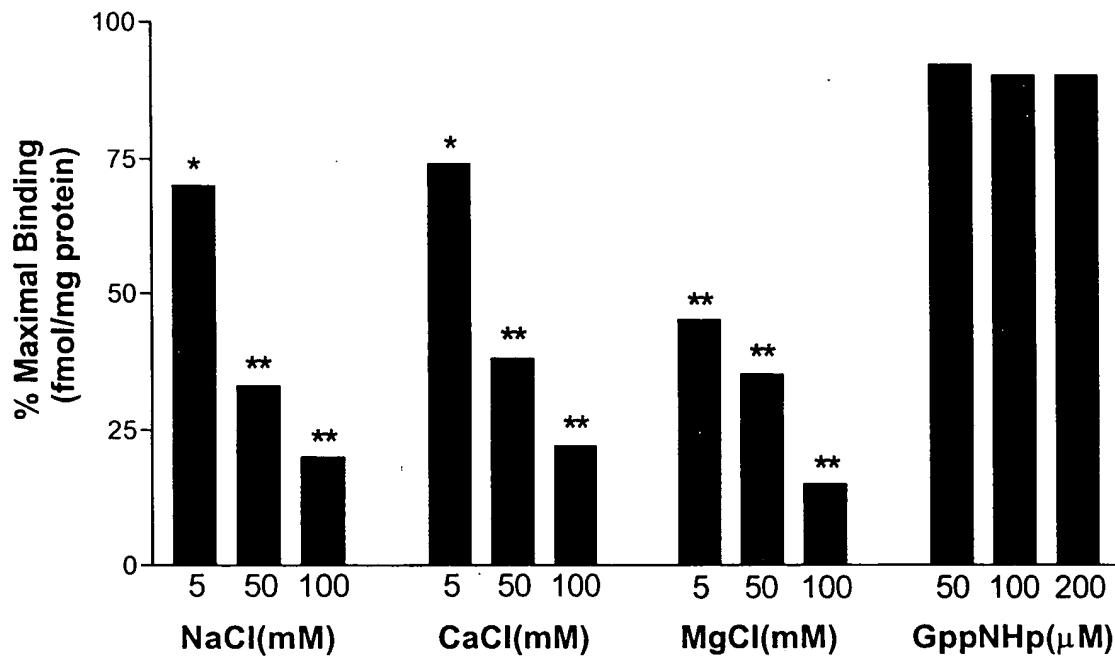


Figure 15

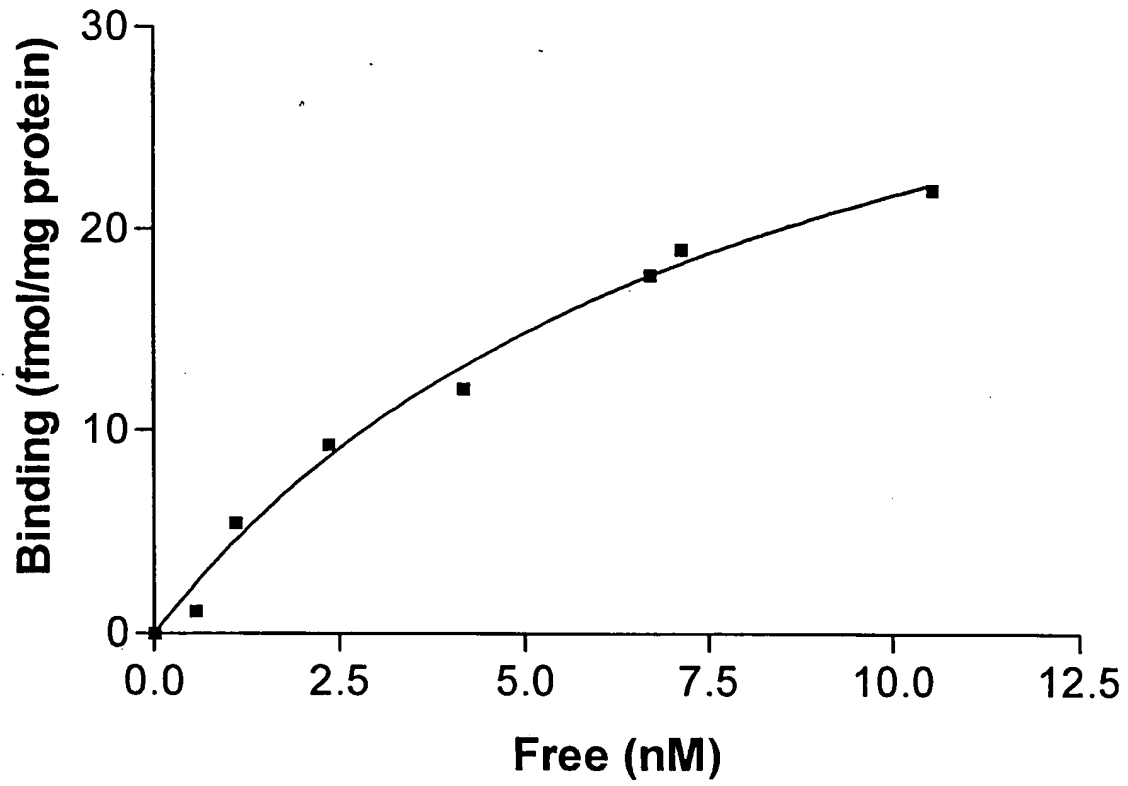


Figure 16A

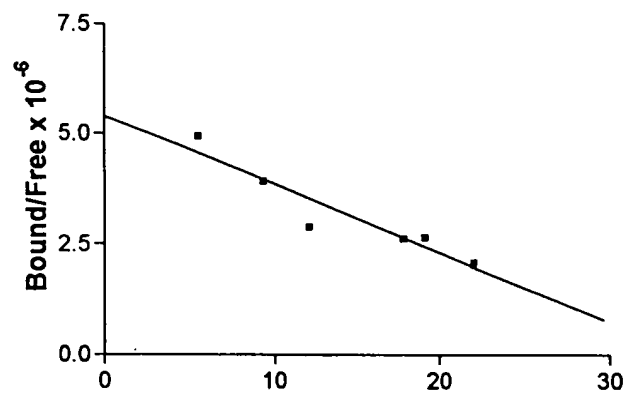


Figure 16B

Figure 9A

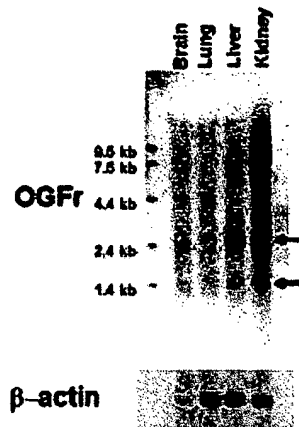


Figure 9B

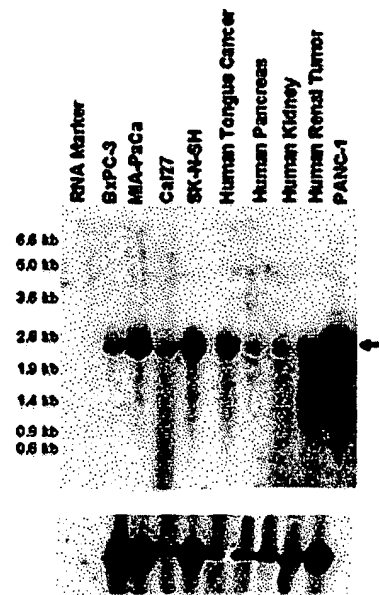
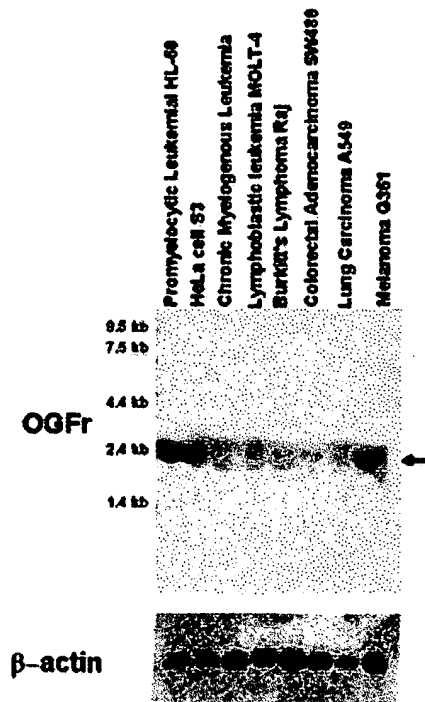
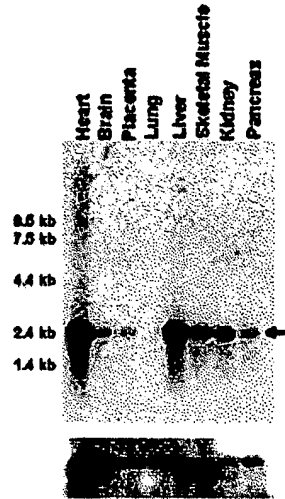


Figure 9C

Figure 9D

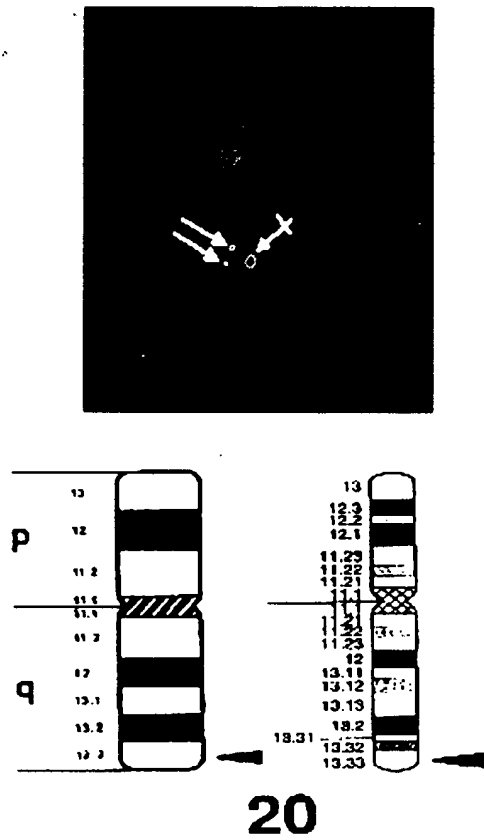


Figure 8F

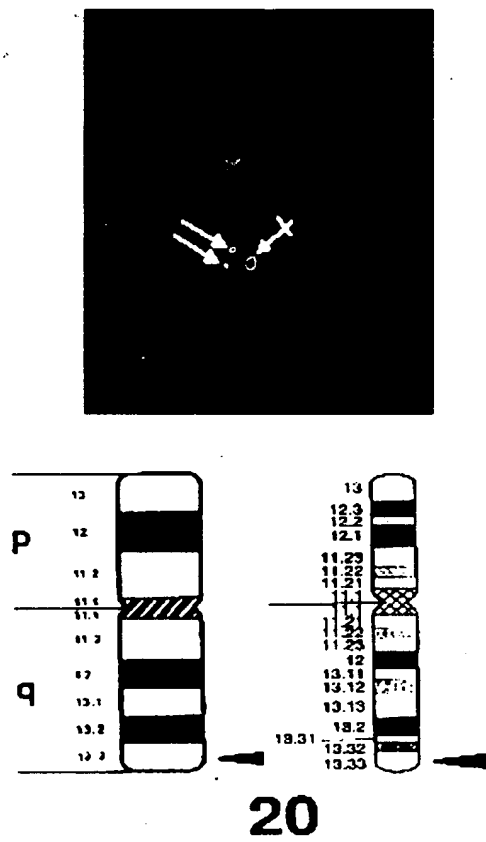
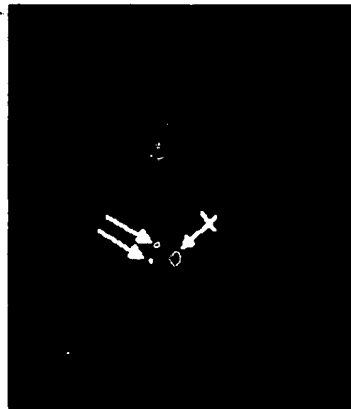


Figure 8F



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Figure 8F

7	SPSETGSPSPAGPAGDEPAESPSSETPGRPA				
4	SPSETGSPSPAGPAGDEPAESPSSETPGRPA				
8	SPSETGSPSPAGPAGDEPAESPSSETPGRPA				
		↑	2		
				3	
		↑			
					4
					5

GPAGDEPAESPSSETGSPSPAGPAGTRDEPAE...
GPAGDEPAESPSSETGSPSPAGPAGTRDEPAE...
GPAGDEPAESPSSETGSPSPAGPAGTRDEPAE...

Figure 8E

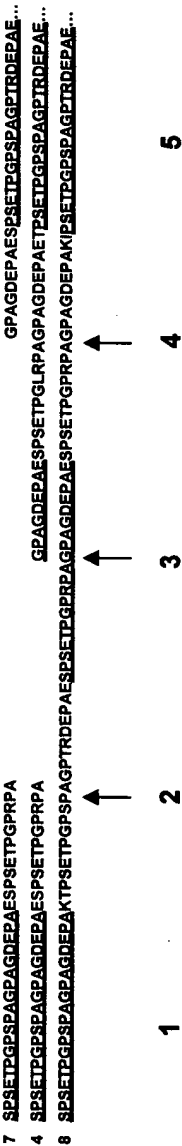


Figure 8E

7	SPSETGSPSPAGPAGDEPAESPSETPGPPA				
4	SPSETGSPSPAGPAGDEPAESPSETPGPPA				
8	SPSETGSPSPAGPAGDEPAESPSETPGPPA				
		↑	↑	↑	
		1	2	3	4
					5

GPAGDEPAESPSETPGSPAGPTRDEPAE...

GPAGDEPAESPSETPGSPAGPTRDEPAE...

GPAGDEPAESPSETPGSPAGPTRDEPAE...

Figure 8E



Figure 8D

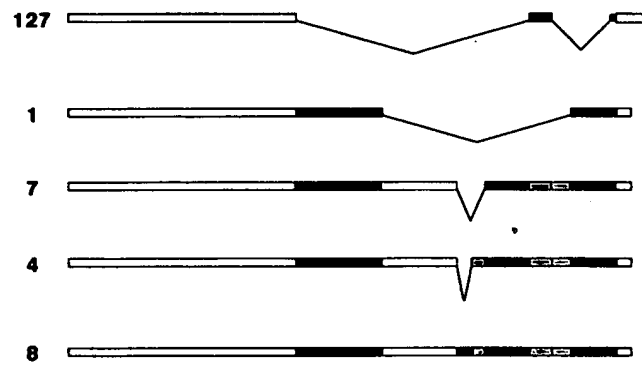


Figure 8C

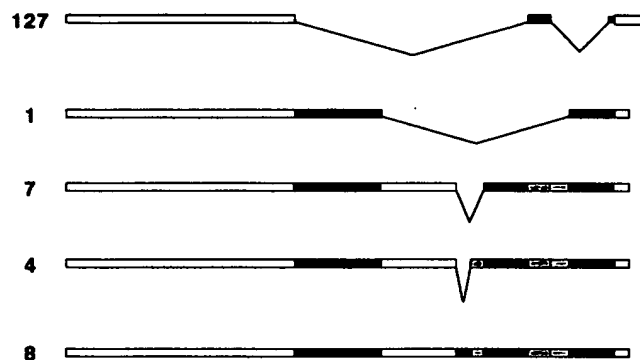


Figure 8C

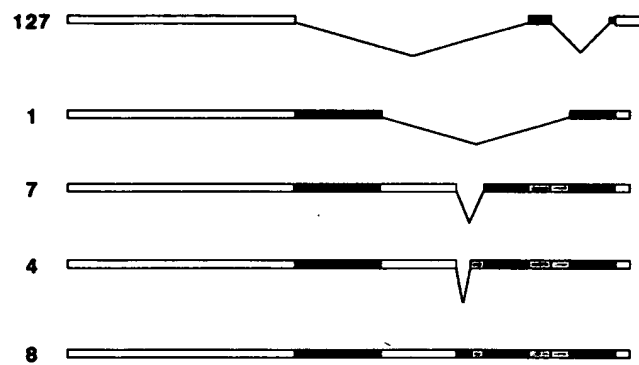


Figure 8C